Welcome to STN International! Enter x:x

LOGINID:SSSPTA1204BXD

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * *   Welcome to STN International   * * * * * * * * * *

```
NEWS  1              Web Page URLs for STN Seminar Schedule - N. America
NEWS  2              "Ask CAS" for self-help around the clock
NEWS  3    SEP 09    CA/CAplus records now contain indexing from 1907 to the
                     present
NEWS  4    AUG 05    New pricing for EUROPATFULL and PCTFULL effective
                     August 1, 2003
NEWS  5    AUG 13    Field Availability (/FA) field enhanced in BEILSTEIN
NEWS  6    AUG 18    Data available for download as a PDF in RDISCLOSURE
NEWS  7    AUG 18    Simultaneous left and right truncation added to PASCAL
NEWS  8    AUG 18    FROSTI and KOSMET enhanced with Simultaneous Left and Righ
                     Truncation
NEWS  9    AUG 18    Simultaneous left and right truncation added to ANABSTR
NEWS 10    SEP 22    DIPPR file reloaded
NEWS 11    DEC 08    INPADOC: Legal Status data reloaded
NEWS 12    SEP 29    DISSABS now available on STN
NEWS 13    OCT 10    PCTFULL: Two new display fields added
NEWS 14    OCT 21    BIOSIS file reloaded and enhanced
NEWS 15    OCT 28    BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 16    NOV 24    MSDS-CCOHS file reloaded
NEWS 17    DEC 08    CABA reloaded with left truncation
NEWS 18    DEC 08    IMS file names changed
NEWS 19    DEC 09    Experimental property data collected by CAS now available
                     in REGISTRY
NEWS 20    DEC 09    STN Entry Date available for display in REGISTRY and CA/CAplus
NEWS 21    DEC 17    DGENE: Two new display fields added
NEWS 22    DEC 18    BIOTECHNO no longer updated
NEWS 23    DEC 19    CROPU no longer updated; subscriber discount no longer
                     available
NEWS 24    DEC 22    Additional INPI reactions and pre-1907 documents added to CAS
                     databases
NEWS 25    DEC 22    IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS 26    DEC 22    ABI-INFORM now available on STN

NEWS EXPRESS    NOVEMBER 14 CURRENT WINDOWS VERSION IS V6.01c, CURRENT
                MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
                AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
NEWS HOURS      STN Operating Hours Plus Help Desk Availability
NEWS INTER      General Internet Information
NEWS LOGIN      Welcome Banner and News Items
NEWS PHONE      Direct Dial and Telecommunication Network Access to STN
NEWS WWW        CAS World Wide Web Site (general information)
```

Enter NEWS followed by the item number or name to see news on that
specific topic.

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 17:13:29 ON 23 DEC 2003

```
=> fil reg
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                ENTRY        SESSION
FULL ESTIMATED COST                              0.21          0.21
```

FILE 'REGISTRY' ENTERED AT 17:13:41 ON 23 DEC 2003
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

```
STRUCTURE FILE UPDATES:   22 DEC 2003   HIGHEST RN 630045-65-7
DICTIONARY FILE UPDATES:  22 DEC 2003   HIGHEST RN 630045-65-7
```

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
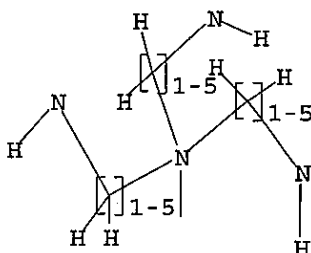to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

```
=>
Uploading 10005294.str

L1      STRUCTURE UPLOADED

=> d query
L1               STR
```


Structure attributes must be viewed using STN Express query preparation.

```
=> s l1
SAMPLE SEARCH INITIATED 17:14:03 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  89974 TO ITERATE

   1.1% PROCESSED     1000 ITERATIONS                        0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   **INCOMPLETE**
                         BATCH    **INCOMPLETE**
PROJECTED ITERATIONS:       EXCEEDS 1000000
PROJECTED ANSWERS:          EXCEEDS        0
```

L2   0 SEA SSS SAM L1
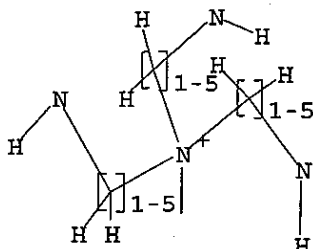
=>
Uploading 10005294.str

L3   STRUCTURE UPLOADED

=> d query
L3   STR

Structure attributes must be viewed using STN Express query preparation.

=> s l3
SAMPLE SEARCH INITIATED 17:15:13 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 89974 TO ITERATE

   1.1% PROCESSED   1000 ITERATIONS   0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **INCOMPLETE**
                         BATCH   **INCOMPLETE**
PROJECTED ITERATIONS: EXCEEDS 1000000
PROJECTED ANSWERS: EXCEEDS   0

L4   0 SEA SSS SAM L3

=> s l3 full
FULL SEARCH INITIATED 17:15:22 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - >1,000,000 TO ITERATE

< 22.3% PROCESSED 400000 ITERATIONS   0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.12

FULL FILE PROJECTIONS: ONLINE   **INCOMPLETE**
                         BATCH   **INCOMPLETE**
PROJECTED ITERATIONS: EXCEEDS 1000000
PROJECTED ANSWERS: EXCEEDS   0

L5   0 SEA SSS FUL L3

=>
Uploading 10005294.str

L6   STRUCTURE UPLOADED

=> d query
L6   STR

Structure attributes must be viewed using STN Express query preparation.


```
=> s l6
SAMPLE SEARCH INITIATED 17:16:40 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  89974 TO ITERATE

   1.1% PROCESSED    1000 ITERATIONS                            0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:     EXCEEDS 1000000
PROJECTED ANSWERS:        EXCEEDS       0

L7              0 SEA SSS SAM L6

=> s l6 full
FULL SEARCH INITIATED 17:16:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - >1,000,000 TO ITERATE

<  22.3% PROCESSED  400000 ITERATIONS                          0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.09

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:     EXCEEDS 1000000
PROJECTED ANSWERS:        EXCEEDS       0

L8              0 SEA SSS FUL L6

=>
Uploading 10005294.str

L9      STRUCTURE UPLOADED

=> d query
L9              STR
```
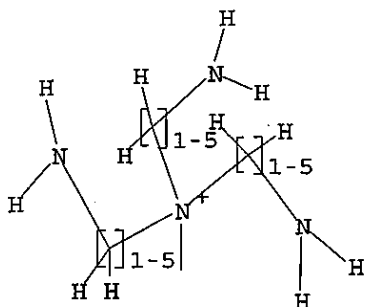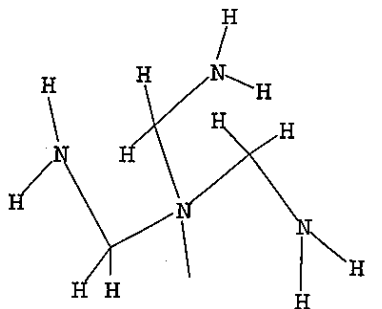
Structure attributes must be viewed using STN Express query preparation.


```
=> s l9
SAMPLE SEARCH INITIATED 17:17:47 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       2 TO ITERATE

100.0% PROCESSED        2 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   **COMPLETE**
                         BATCH    **COMPLETE**
PROJECTED ITERATIONS:             2 TO        124
PROJECTED ANSWERS:                0 TO          0

L10            0 SEA SSS SAM L9

=> s l9 full
FULL SEARCH INITIATED 17:17:52 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      40 TO ITERATE

100.0% PROCESSED       40 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

L11            0 SEA SSS FUL L9

=>
Uploading 10005294.str

L12      STRUCTURE UPLOADED

=> d query
L12              STR
```
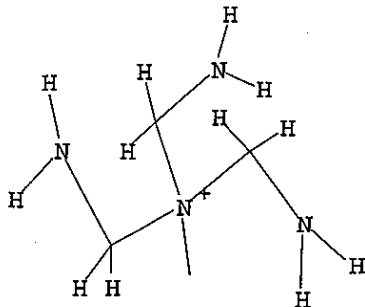

Structure attributes must be viewed using STN Express query preparation.

```
=> s l12
SAMPLE SEARCH INITIATED 17:18:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      2 TO ITERATE

100.0% PROCESSED       2 ITERATIONS                            0 ANSWERS
SEARCH TIME: 00.00.01


FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            2 TO        124
PROJECTED ANSWERS:               0 TO          0

L13            0 SEA SSS SAM L12

=> s l12 full
FULL SEARCH INITIATED 17:18:54 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     40 TO ITERATE

100.0% PROCESSED      40 ITERATIONS                            0 ANSWERS
SEARCH TIME: 00.00.01

L14            0 SEA SSS FUL L12

=>
Uploading 10005294.str

L15     STRUCTURE UPLOADED

=> d query
L15                STR
```
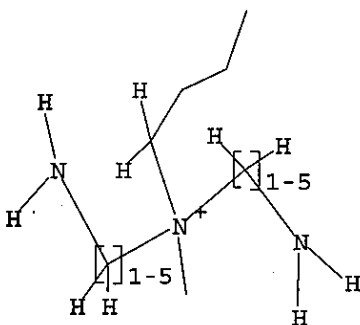


```
Structure attributes must be viewed using STN Express query preparation.


=> s l15
SAMPLE SEARCH INITIATED 17:20:33 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   9241 TO ITERATE

 10.8% PROCESSED    1000 ITERATIONS                            0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         179061 TO     190579
PROJECTED ANSWERS:               0 TO          0

L16            0 SEA SSS SAM L15

=> s l15 full
```

FULL SEARCH INITIATED 17:20:38 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 183943 TO ITERATE

100.0% PROCESSED 183943 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.03

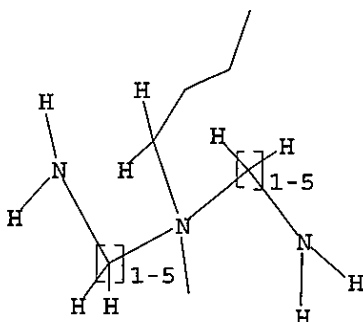L17   0 SEA SSS FUL L15

=>
Uploading 10005294.str

L18   STRUCTURE UPLOADED

=> d query
L18   STR

Structure attributes must be viewed using STN Express query preparation.

=> s l18
SAMPLE SEARCH INITIATED 17:22:05 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   9241 TO ITERATE

 10.8% PROCESSED   1000 ITERATIONS   0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                          BATCH   **COMPLETE**
PROJECTED ITERATIONS: 179061 TO   190579
PROJECTED ANSWERS: 0 TO   0

L19   0 SEA SSS SAM L18

=> s l18 full
FULL SEARCH INITIATED 17:22:09 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 183943 TO ITERATE

100.0% PROCESSED 183943 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.03

L20   0 SEA SSS FUL L18
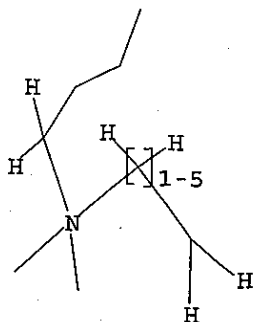
=>
Uploading 10005294.str

L21   STRUCTURE UPLOADED

=> d query
L21   STR

Structure attributes must be viewed using STN Express query preparation.


```
=> s 121
SAMPLE SEARCH INITIATED 17:23:14 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   2440 TO ITERATE

 41.0% PROCESSED    1000 ITERATIONS                          0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       45838 TO    51762
PROJECTED ANSWERS:              0 TO        0

L22          0 SEA SSS SAM L21

=> s 121 full
FULL SEARCH INITIATED 17:23:18 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  48603 TO ITERATE

100.0% PROCESSED   48603 ITERATIONS                          1 ANSWERS
SEARCH TIME: 00.00.01

L23          1 SEA SSS FUL L21

=> fil caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                ENTRY        SESSION

FULL ESTIMATED COST                            1040.65      1040.86
```

FILE 'CAPLUS' ENTERED AT 17:23:25 ON 23 DEC 2003
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of this information, without the prior written consent of CAS, is
strictly prohibited.

FILE COVERS 1907 - 23 Dec 2003 VOL 139 ISS 26
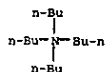FILE LAST UPDATED: 22 Dec 2003 (20031222/ED)

This file contains CAS Registry Numbers for easy and accurate
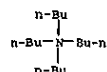substance identification.

```
=> s 123
L24          2 L23

=> d 124 1-2 abs ibib hitstr
```

AB   Three attempts were made to prep. org. ammonium metals. Dissolving Bu4NI
      in THF and mixing with a liq. NaK alloy gave free ammonium metal
dissolved
      in the alloy. Electrolysis of Bu4NClO4 in THF at Pt or Ag electrodes
gave
        new strongly reducing mols. which disappeared rapidly because of reaction
        with THF. Treatment of Me3N, MeNH2, or NH3 with Me.bul. at low temp. in
a
        high-vacuum app. gave small black particles, which disappeared
        irreversibly at higher temps.
ACCESSION NUMBER: 1989:23271 CAPLUS
DOCUMENT NUMBER: 110:23271
TITLE: Attempts to prepare free solid organic ammonium
metals
AUTHOR(S):   Dov de Korosy, Francis
CORPORATE SOURCE: Inst. Appl. Res., Ben-Gurion Univ., Negev Beer-Sheva,
                          Israel
SOURCE: Acta Chimica Hungarica (1987), 124(4), 671-6
                          CODEN: ACHUDC; ISSN: 0231-3146
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S):   CASREACT 110:23271
IT   19098-60-3P
        RL: SPN (Synthetic preparation); PREP (Preparation)
           (prepn. and ESR of)
RN   19098-60-3 CAPLUS
CN   Nitrogen, tetrabutyl-, (T-4)- (9CI) (CA INDEX NAME)

       n-Bu
        |
n-Bu—N—Bu-n
        |
      n-Bu

AB   Techniques for the electrolytic generation and the spectroscopic
      characterization of quaternary ammonium radicals in liq. ammonia have
been
        developed. The spectra of seven tetraalkylammonium radicals in liq.
        ammonia have been examd. in the range 200-2500 m.mu.. The effects of
        concn. and temp., as well as dissolved salts, upon the spectra have been
        examd. The absorbing species is the same in each case and has the same
        characteristics as the absorbing species present in metal-ammonia solns.
        The implications of these results with respect to the current theories of
        metal-ammonia solns. are discussed. 31 references.
ACCESSION NUMBER: 1968:109804 CAPLUS
DOCUMENT NUMBER: 68:109804
TITLE: Metal-ammonia solutions. III. Spectroscopy of
                          quaternary ammonium radicals
AUTHOR(S):   Quinn, Rod K.; Lagowski, Joseph J.
CORPORATE SOURCE: Univ. of Texas, Austin, TX, USA
SOURCE: Journal of Physical Chemistry (1968), 72(4), 1374-8
                          CODEN: JPCHAX; ISSN: 0022-3654
DOCUMENT TYPE: Journal
LANGUAGE: English
IT   19098-60-3P
        RL: PRP (Properties); PREP (Preparation)
           (formation and ir spectrum of, in ammonia solns. at low temp.)
RN   19098-60-3 CAPLUS
CN   Nitrogen, tetrabutyl-, (T-4)- (9CI) (CA INDEX NAME)

       n-Bu
        |
n-Bu—N—Bu-n
        |
      n-Bu

```
=> fil reg
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                     ENTRY       SESSION
FULL ESTIMATED COST                                   9.49       1050.35

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                     ENTRY       SESSION
CA SUBSCRIBER PRICE                                  -1.30        -1.30
```

FILE 'REGISTRY' ENTERED AT 17:24:06 ON 23 DEC 2003
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provided by InfoChem.

STRUCTURE FILE UPDATES: 22 DEC 2003   HIGHEST RN 630045-65-7
DICTIONARY FILE UPDATES: 22 DEC 2003   HIGHEST RN 630045-65-7

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

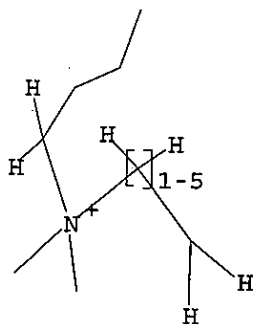Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading 10005294.str

L25   STRUCTURE UPLOADED

=> d query
L25   STR

Structure attributes must be viewed using STN Express query preparation.

=> s l25
SAMPLE SEARCH INITIATED 17:24:45 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   2440 TO ITERATE

```
 41.0% PROCESSED    1000 ITERATIONS                          0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       45838 TO     51762
PROJECTED ANSWERS:              0 TO         0

L26           0 SEA SSS SAM L25

=> s l25 full
FULL SEARCH INITIATED 17:24:50 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  48603 TO ITERATE

100.0% PROCESSED   48603 ITERATIONS                         0 ANSWERS
SEARCH TIME: 00.00.01

L27           0 SEA SSS FUL L25

=> logoff y
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                              ENTRY        SESSION
FULL ESTIMATED COST                          149.35        1199.70

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE      TOTAL
                                              ENTRY        SESSION
CA SUBSCRIBER PRICE                           0.00          -1.30

STN INTERNATIONAL LOGOFF AT 17:26:20 ON 23 DEC 2003
```